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MECADEZ CORE TECHNOLOGIES PRIVATE LIMITED
PROJECT MANAGEMENT & CONSULTANCY SERVICES

Test Report Rate of Spread of Prime Coat

Project Name 1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division
2. Improvement of roads and drain at kattigenahalli kuvempunagara cross road in ward no 05 byatarayanapura sub division
3. Improvement of drain at dwarakanagara srirama temple road in ward no 05 byatarayanapura sub division
4. Improvement of roads and drain at kattigenahalli surrounding area in ward no 05 byatarayanapura sub division
5. Improvement of roads and drain at nirantara layout in ward no 05 byatarayanapura sub division
6. Improvement of drain and asphaltting to road at agraphara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Client Executive Engineer Project Division Yelahanka Zone

Job No MCTPL/BBMP/Project Division Yelahanka Zone /PMC/2017-2018/QR/P-8/1

Mix Type Wet Mix Macadam

Contractor Sri A Chennareddy

Location At Site

Material Bitumen

Sample No 3

Date 16-Apr-2018

Sl. No.	Determination	Unit	Test No 1		
			Longitudinal Distribution		
1	Size of Plate (mxn)	m ²	0.2x0.2	0.2x0.2	0.2x0.2
2	Area of the Plate (a)	m ²	0.04	0.04	0.04
3	Initial weight of the empty Plate (b)	kg	1.641	1.643	1.643
4	Final weight of plate after application of Tack Coat (c)	kg	1.657	1.655	1.651
5	Weight of Prime coat/ Tack Coat (d = c-b)	kg	0.016	0.012	0.008
6	Rate of spread (d/a)	kg / m ²	0.4	0.3	0.2
7	Average	kg / m ²		0.350	
8	Specified Limit	kg / m ²	Not less than 0.6 kg / m ²		

Results: Rate of Spread of Prime Coat / Tack Coat is:

0.350 kg / m²

Note:

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Project Division
Yelahanka Zone
Bangalore



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MECADEZ CORE TECHNOLOGIES PRIVATE LIMITED
PROJECT MANAGEMENT & CONSULTANCY SERVICES

Test Report

Rate of Spread of Prime Coat

Project Name

1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division
2. Improvement of roads and drain at kattigenahalli kuvempunagara cross road in ward no 05 byatarayanapura sub division
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Client

Executive Engineer Project Division Yelahanka Zone

Job No

MCTPL/BBMP/Project Division Yelahanka Zone /PMC/2017-2018/QR/P-8/1

Mix Type

Wet Mix Macadam

Contractor

Sri A Chennareddy

Location

At Site

Material

Bitumen

Sample No

4

Date

17-Apr-2018

Sl. No.	Determination	Unit	Test No 1		
			Longitudinal Distribution		
1	Size of Plate (mxn)	m ²	0.2x0.2	0.2x0.2	0.2x0.2
2	Area of the Plate (a)	m ²	0.04	0.04	0.04
3	Initial weight of the empty Plate (b)	kg	1.641	1.641	1.641
4	Final weight of plate after application of Tack Coat (c)	kg	1.658	1.655	1.649
5	Weight of Prime coat/ Tack Coat (d = c-b)	kg	0.017	0.014	0.008
6	Rate of spread (d/a)	kg / m ²	0.425	0.350	0.200
7	Average	kg / m ²		0.325	
8	Specified Limit	kg / m ²	Not less than 0.6 kg / m ²		

Results: Rate of Spread of Prime Coat / Tack Coat is: 0.325 kg / m²

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Test Report
Rate of Spread of Prime Coat

Project Name

1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division
2. Improvement of roads and drain at kattigenahalli kuvempunagara cross road in ward no 05 byatarayanapura sub division
3. Improvement of drain at dwarakanagara srirama temple road in ward no 05 byatarayanapura sub division
4. Improvement of roads and drain at kattigenahalli surrounding area in ward no 05 byatarayanapura sub division
5. Improvement of roads and drain at nirantara layout in ward no 05 byatarayanapura sub division
6. Improvement of drain and asphaltting to road at agrahara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Client

Executive Engineer Project Division Yelahanka Zone

Job No

MCTPL/BBMP/Project Division Yelahanka Zone /PMC/2017-2018/QR/P-8/1

Mix Type

Wet Mix Macadam

Contractor

Sri A Chennareddy

Location

At Site

Material

Bitumen

Sample No

5

Date

17-Apr-2018

Sl. No.	Determination	Unit	Test No 1		
			Longitudinal Distribution		
1	Size of Plate (mxn)	m ²	0.2x0.2	0.2x0.2	0.2x0.2
2	Area of the Plate (a)	m ²	0.04	0.04	0.04
3	Initial weight of the empty Plate (b)	kg	1.641	1.641	1.641
4	Final weight of plate after application of Tack Coat (c)	kg	1.656	1.657	1.653
5	Weight of Prime coat/ Tack Coat (d = c-b)	kg	0.015	0.016	0.012
6	Rate of spread (d/a)	kg / m ²	0.375	0.400	0.300
7	Average	kg / m ²		0.358	
8	Specified Limit	kg / m ²	Not less than 0.6 kg / m ²		

Results: Rate of Spread of Prime Coat / Tack Coat is: 0.358 kg / m²

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Yelahanka Zone
Bangalore



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MECADEZ CORE TECHNOLOGIES PRIVATE LIMITED
PROJECT MANAGEMENT & CONSULTANCY SERVICES

Test Report Rate of Spread of Prime Coat

Project Name 1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division
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6. Improvement of drain and asphaltting to road at agrahara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Client Executive Engineer Project Division Yelahanka Zone

Job No MCTPL/BBMP/Project Division Yelahanka Zone /PMC/2017-2018/QR/P-8/1

Mix Type Wet Mix Macadam

Contractor Sri A Chennareddy

Location At Site

Material Bitumen

Sample No 6

Date 17-Apr-2018

Sl. No.	Determination	Unit	Test No 1		
			Longitudinal Distribution		
1	Size of Plate (mxn)	m ²	0.2x0.2	0.2x0.2	0.2x0.2
2	Area of the Plate (a)	m ²	0.04	0.04	0.04
3	Initial weight of the empty Plate (b)	kg	1.641	1.641	1.641
4	Final weight of plate after application of Tack Coat (c)	kg	1.659	1.656	1.648
5	Weight of Prime coat/ Tack Coat (d = c-b)	kg	0.018	0.015	0.007
6	Rate of spread (d/a)	kg / m ²	0.45	0.375	0.175
7	Average	kg / m ²		0.333	
8	Specified Limit	kg / m ²	Not less than 0.6 kg / m ²		

Results: Rate of Spread of Prime Coat / Tack Coat is: 0.333 kg / m²

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MECADEZ CORE TECHNOLOGIES PRIVATE LIMITED
PROJECT MANAGEMENT & CONSULTANCY SERVICES

Test Report Aggregate Impact Value

Project Name

1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division
2. Improvement of roads and drain at kattigenahalli kuvempunagara cross road in ward no 05 byatarayanapura sub division
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6. Improvement of drain and asphaltting to road at agrahara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Client

Executive Engineer Project Division Yelahanka Zone

Job No

MCTPL/BBMP/Project Division Yelahanka Zone /PMC/2017-2018/QR/P-8/1

Mix Type

Wet Mix Macadam

Contractor

Sri A Chennareddy

Material

Coarse Aggregate

Test Method

IS : 2386 (Part - 4) 1963 & Specification for Road & Bridge Works, MORT&H, Rev. V.

Location

At Site

Sample No

1

Date

14-Apr-2018

Sl. No.	Determination	Unit	Trails	
1	Weight of empty cylinder, w1	gm	960	960
2	Weight of container filled with Aggregate, w2	gm	1310	1309
3	Weight of the Aggregate before compaction, (w2 - w1) = w3	gm	350	349
4	Weight of the sample passing through 2.36 mm IS sieves after Impact, w4	gm	81	80
5	Weight of the sample retained on 2.36 mm IS sieve after Impact, w5	gm	269	269
6	Aggregate Impact Value (w4 / w3) x 100	%	23.14	22.92
7	Specified Limit	%	30	

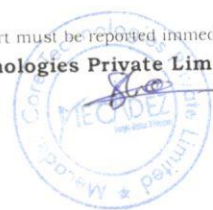
Results: Average Aggregate Impact Value: **23.03 %**

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Test Report
Aggregate Impact Value

Project Name

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6. Improvement of drain and asphaltting to road at aghara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Client

Executive Engineer Project Division Yelahanka Zone
MCTPL/BBMP/Project Division Yelahanka Zone /PMC/2017-
2018/QR/P-8/1

Job No

Mix Type

Wet Mix Macadam

Contractor

Sri A Chennareddy

Test Method

IS : 2386 (Part - 4) 1963 & Specification for Road & Bridge Works,
MORT&H, Rev. V.

Location

At Site

Material

Coarse Aggregate

Sample No

2

Date

14-Apr-2018

Sl. No.	Determination	Unit	Trails	
1	Weight of empty cylinder, w1	gm	960	960
2	Weight of container filled with Aggregate, w2	gm	1315	1314
3	Weight of the Aggregate before compaction, (w2 - w1) = w3	gm	355	354
4	Weight of the sample passing through 2.36 mm IS sieves after Impact, w4	gm	79	78
5	Weight of the sample retained on 2.36 mm IS sieve after Impact, w5	gm	276	276
6	Aggregate Impact Value (w4 / w3) x 100	%	22.25	22.03
7	Specified Limit	%	30	
Results: Average Aggregate Impact Value:			22.14	%

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Test Report Aggregate Impact Value

Project Name

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Client

Executive Engineer Project Division Yelahanka Zone
MCTPL/BBMP/Project Division Yelahanka Zone /PMC/2017-
2018/QR/P-8/1

Job No

Mix Type

Wet Mix Macadam

Contractor

Sri A Chennareddy

Test Method

IS : 2386 (Part - 4) 1963 & Specification for Road & Bridge Works,
MORT&H, Rev. V.

Location

At Site

Material

Coarse Aggregate

Sample No

3

Date

14-Apr-2018

Sl. No.	Determination	Unit	Trails	
1	Weight of empty cylinder, w1	gm	960	960
2	Weight of container filled with Aggregate, w2	gm	1320	1319
3	Weight of the Aggregate before compaction, (w2 - w1) = w3	gm	360	359
4	Weight of the sample passing through 2.36 mm IS sieves after Impact, w4	gm	77	76
5	Weight of the sample retained on 2.36 mm IS sieve after Impact, w5	gm	283	283
6	Aggregate Impact Value (w4 / w3) x100	%	21.39	21.17
7	Specified Limit	%		30
Results: Average Aggregate Impact Value:			21.28 %	

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MECADEZ CORE TECHNOLOGIES PRIVATE LIMITED
PROJECT MANAGEMENT & CONSULTANCY SERVICES

Test Report Aggregate Impact Value

Project Name

1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division
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Client

Executive Engineer Project Division Yelahanka Zone

Job No

MCTPL/BBMP/Project Division Yelahanka Zone /PMC/2017-

Mix Type

Wet Mix Macadam

Contractor

Sri A Chennareddy

Test Method

IS : 2386 (Part - 4) 1963 & Specification for Road & Bridge Works, MORT&H, Rev. V.

Location

At Site

Material

Coarse Aggregate

Sample No

4

Date

15-Apr-2018

Sl. No.	Determination	Unit	Trails	
1	Weight of empty cylinder, w1	gm	960	960
2	Weight of container filled with Aggregate, w2	gm	1325	1324
3	Weight of the Aggregate before compaction, (w2 - w1) = w3	gm	365	364
4	Weight of the sample passing through 2.36 mm IS sieves after Impact, w4	gm	75	74
5	Weight of the sample retained on 2.36 mm IS sieve after Impact, w5	gm	290	290
6	Aggregate Impact Value (w4 / w3) x 100	%	20.55	20.33
7	Specified Limit	%	30	
Results: Average Aggregate Impact Value:			20.44	%

Note:

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MECADEZ CORE TECHNOLOGIES PRIVATE LIMITED
PROJECT MANAGEMENT & CONSULTANCY SERVICES

Test Report

Aggregate Particle Shape

Project Name

1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division
2. Improvement of roads and drain at kattigenahalli kuvempunagara cross road in ward no 05 byatarayanapura sub division
3. Improvement of drain at dwarakanagara srirama temple road in ward no 05 byatarayanapura sub division
4. Improvement of roads and drain at kattigenahalli surrounding area in ward no 05 byatarayanapura sub division
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Client

Executive Engineer Project Division Yelahanka Zone

Job No

MCTPL/BBMP/Project Division Yelahanka Zone /PMC/2017-2018/QR/P-8/1

Mix Type

Wet Mix Macadam

Contractor

Sri A Chennareddy

Test Method

IS : 2386 (Part - 1) 1963 & Specification for Road & Bridge Works, MORT&H, Rev. V.

Location

At site

Material

Coarse Aggregates

Sample No

1

Date

14-Apr-2018

I.S. Sieves Size		Weight of Retained Sample on Each Sieve (minimum 200 Pieces) (gm)	Flakiness Index		Elongation Index	
Passing through IS Sieves (mm)	Retained on IS Sieves (mm)		Thickness Gauge	Weight of Aggregates in each fraction passing on thickness gauge (mm)	Length Gauge	Weight of Aggregates in Fraction retained on length gauges (gm)
63	50	0	33.9	0	-	0
50	40	0	27	0	81	0
40	25	25	19.5	0	58.5	0
31.5	25	35	16.95	0	-	0
25	20	1554	13.5	234	40.5	252
20	16	1446	10.8	125	32.4	152
16	12.5	951	8.55	146	25.6	153
12.5	10	466	6.75	68	20.2	74
10	6.3	231	4.89	53	14.7	60
	SW	4708	SWf	626	SWe	691

Flakiness Index 13.30 %

Elongation Index 14.68 %

Combined Flakiness and Elongation Indices : 27.97 %

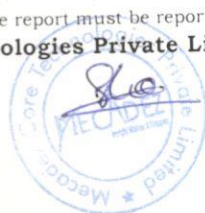
Comments: Maximum allowable Combined Flakiness and Elongation Indices for WMM is 35%

Note:

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PROJECT MANAGEMENT & CONSULTANCY SERVICES

Test Report Aggregate Particle Shape

Project Name 1. Improvement of roads and drain at kogilu layout main road and cross road in ward no 05 byatarayanapura sub division
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Client Executive Engineer Project Division Yelahanka Zone

Job No MCTPL/BBMP/Project Division Yelahanka Zone /PMC/2017-2018/QR/P-8/1

Mix Type Wet Mix Macadam

Contractor Sri A Chennareddy

Test Method IS : 2386 (Part - 1) 1963 & Specification for Road & Bridge Works, MORT&H. Rev. V.

Location At site

Material Coarse Aggregates

Sample No 1

Date 14-Apr-2018

I.S. Sieves Size		Weight of Retained Sample on Each Sieve (minimum 200 Pieces) (gm)	Flakiness Index		Elongation Index	
Passing through IS Sieves (mm)	Retained on IS Sieves (mm)		Thickness Gauge	Weight of Aggregates in each fraction passing on thickness (mm)	Length Gauge	Weight of Aggregates in Fraction retained on length gauges (gm)
63	50	0	33.9	0	-	0
50	40	0	27	0	81	0
40	25	25	19.5	0	58.5	0
31.5	25	35	16.95	0	-	0
25	20	1554	13.5	234	40.5	252
20	16	1446	10.8	125	32.4	152
16	12.5	951	8.55	146	25.6	153
12.5	10	466	6.75	68	20.2	74
10	6.3	231	4.89	53	14.7	60
	SW	4708	SWf	626	SWe	691

Flakiness Index 13.30 %

Elongation Index 14.68 %

Combined Flakiness and Elongation Indices : 27.97 %

Comments: Maximum allowable Combined Flakiness and Elongation Indices for WMM is 35%

Note:

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Test Report

Aggregate Particle Shape

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6. Improvement of drain and asphaltting to road at agraphara layout harihara temple surrounding area in ward no 05 byatarayanapura sub division

Client Executive Engineer Project Division Yelahanka Zone

Job No MCTPL/BBMP/Project Division Yelahanka Zone /PMC/2017-2018/QR/P-8/1

Mix Type Wet Mix Macadam

Contractor Sri A Chennareddy

Test Method IS : 2386 (Part - 1) 1963 & Specification for Road & Bridge Works, MORT&H, Rev. V.

Location At site

Material Coarse Aggregates

Sample No 2

Date 14-Apr-2018

I.S. Sieves Size		Weight of Retained Sample on Each Sieve (minimum 200 Pieces)	Flakiness Index		Elongation Index	
Passing through IS Sieves (mm)	Retained on IS Sieves (mm)		Thickness Gauge	Weight of Aggregates in each fraction passing on thickness gauges (gm)	Length Gauge	Weight of Aggregates in Fraction retained on length gauges
63	50	0	33.9	0	-	0
50	40	0	27	0	81	0
40	25	27	19.5	0	58.5	0
31.5	25	37	16.95	0	-	0
25	20	1564	13.5	244	40.5	262
20	16	1430	10.8	109	32.4	136
16	12.5	961	8.55	156	25.6	163
12.5	10	476	6.75	78	20.2	84
10	6.3	241	4.89	63	14.7	70
	SW	4736	SWf	650	SWe	715

Flakiness Index 13.72 %

Elongation Index 15.10 %

Combined Flakiness and Elongation Indices : 28.82 %

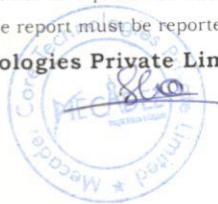
Comments: Maximum allowable Combined Flakiness and Elongation Indices for WMM is 35%

Note:

- The results indicated above are based on the tests carried out on the sample at site.
- The results relate only to the items tested.
- This test report should not be reproduced except in full, without written approval of this laboratory.
- Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

Authorised Signature



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